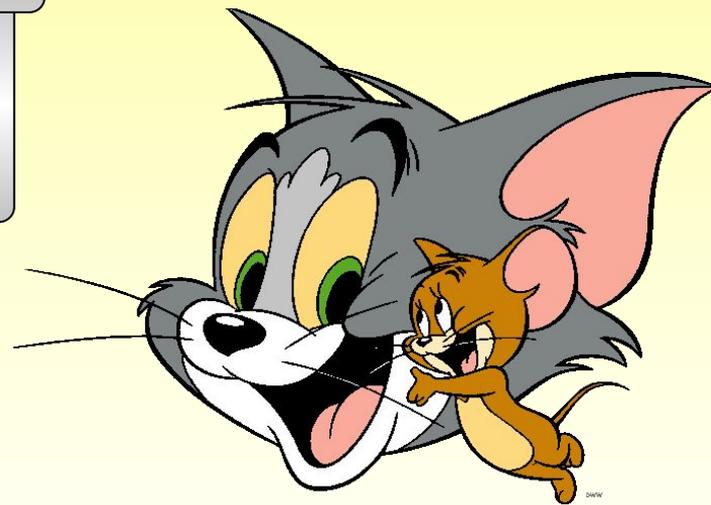


# Введение в геометрию

Занятие 30

# Секреты квадрата и кубика



**6 класс.**

Каратанова Марина Николаевна  
МКОУ СОШ №256 ГО ЗАТО г.Фокино  
Приморский край



## Разминка

*№1*

Сумма двух чисел 330. Когда в  
большем числе  
отбросили справа один ноль, то числа  
оказались равными.

Какие это числа?

$$330 = 300 + 30$$

$$300 = 30$$

Ответ (3)



# Разминка

№2

Ты должен уплатить за купленную вещь 19 рублей.

У тебя лишь трёхрублёвки, а у кассира только пятирублёвки. Можешь ли ты, имея такие деньги,

расплатиться и как именно, если



Решение

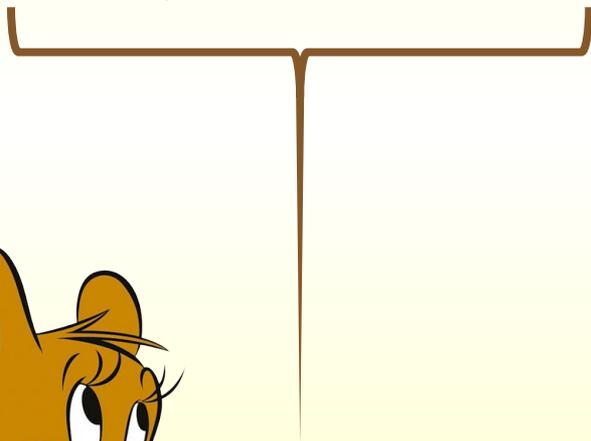


• 8

-



= 19

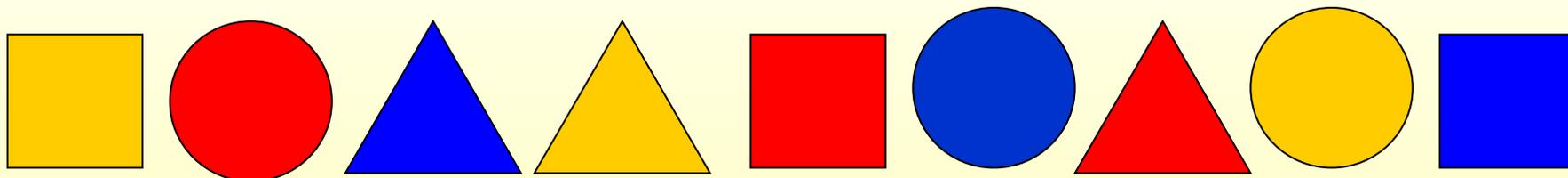


# №1

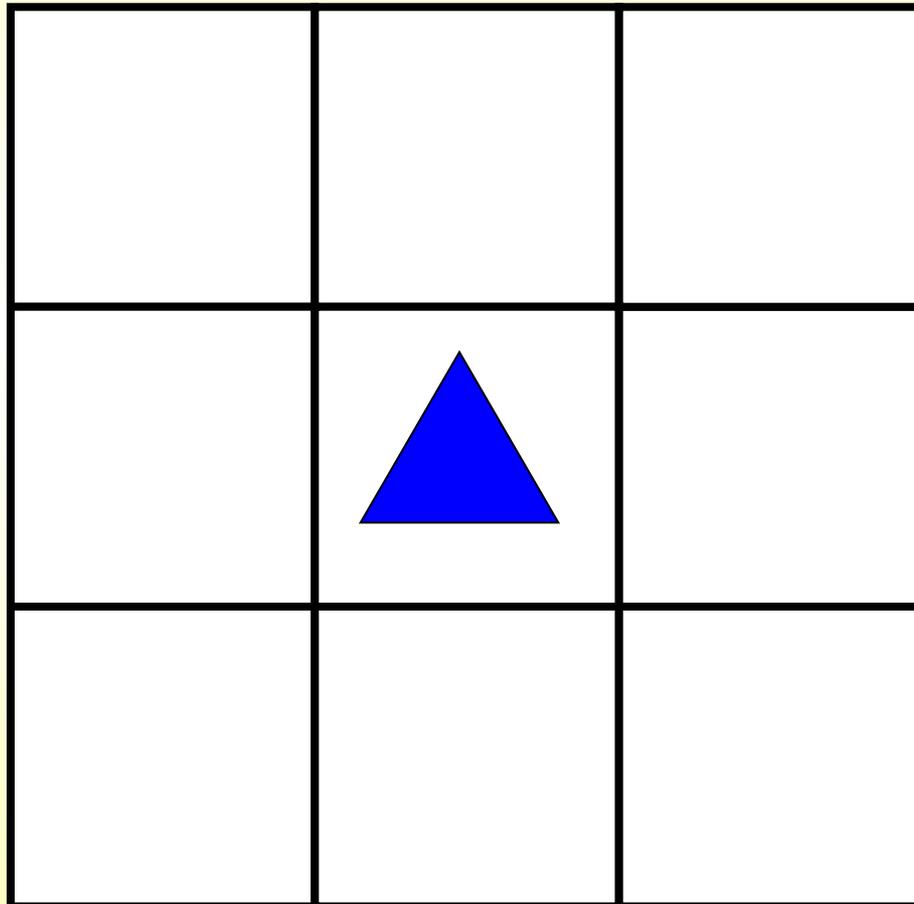
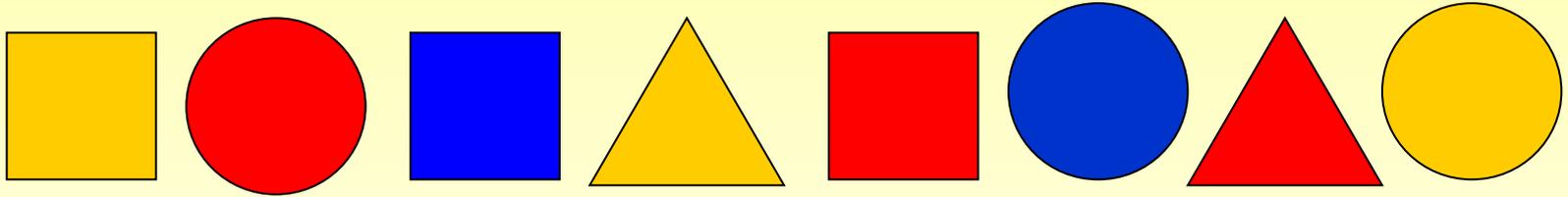
## Решение задач



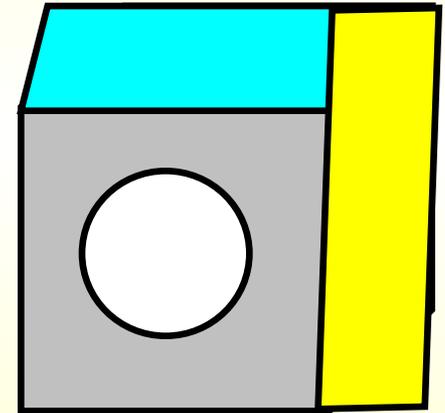
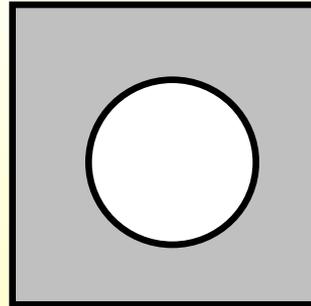
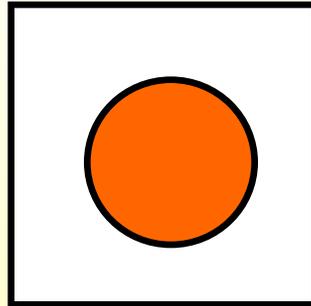
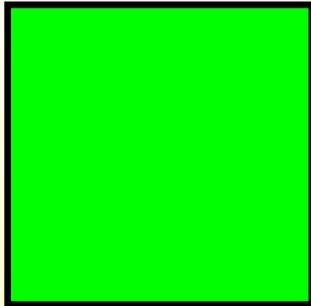
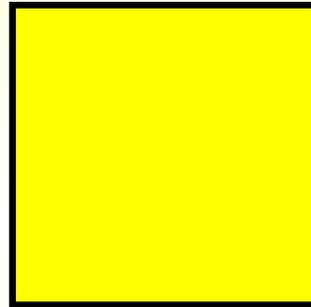
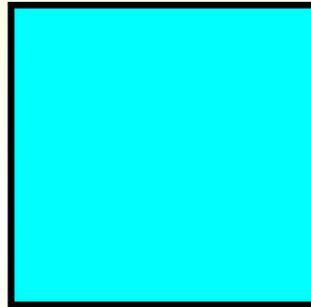
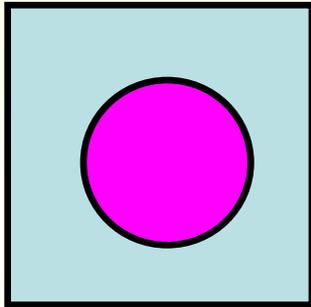
На рисунке показаны 9 фигурок, которые надо нарисовать в клетках квадрата так, чтобы в каждой строке и в каждом столбце были нарисованы Круг, квадрат и треугольник и в каждой строке и в каждом столбце не было бы фигур одного цвета. Синий треугольник уже нарисован на своём месте.



Решение



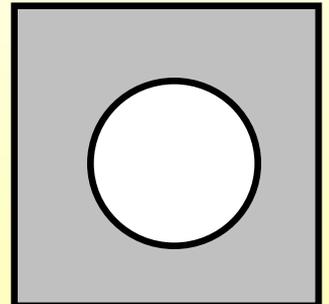
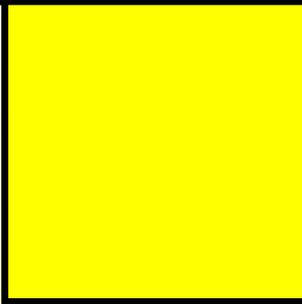
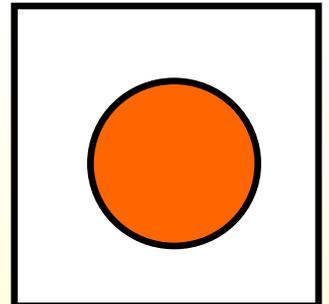
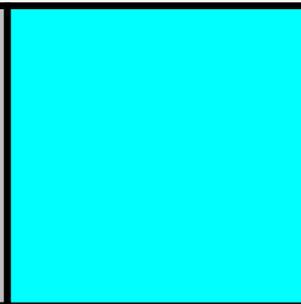
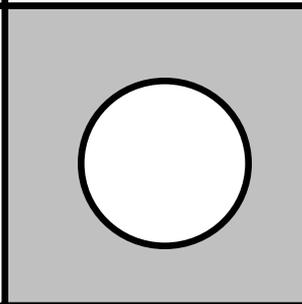
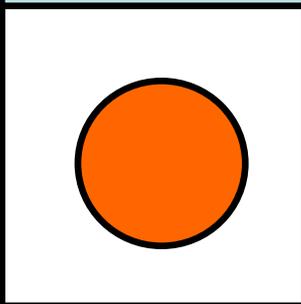
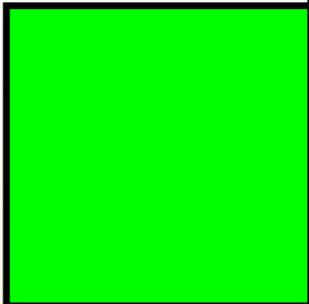
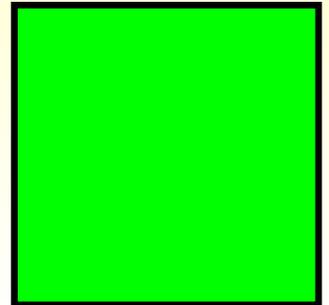
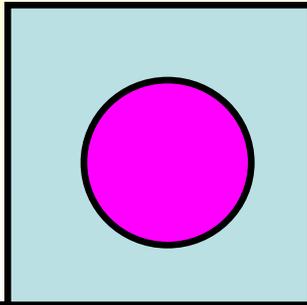
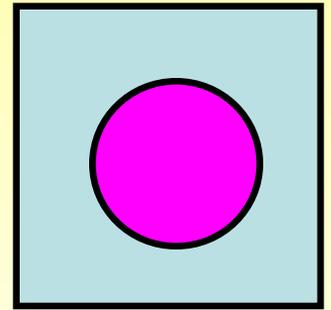
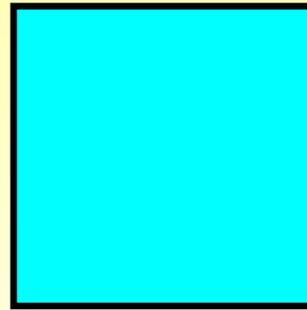
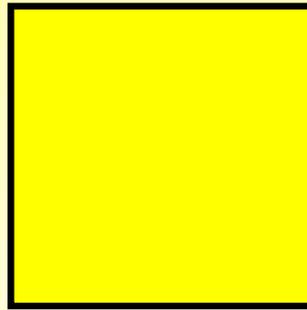
# Развёртка кубика



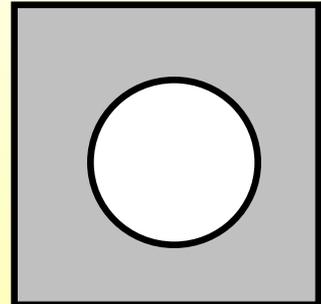
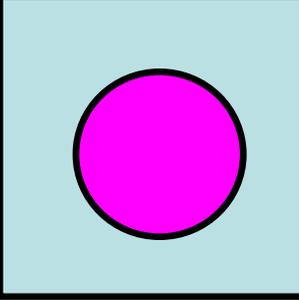
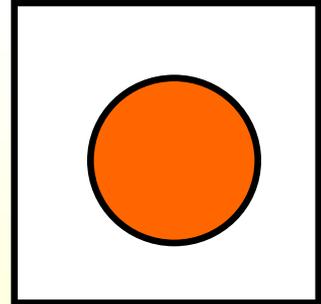
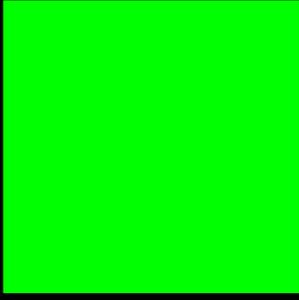
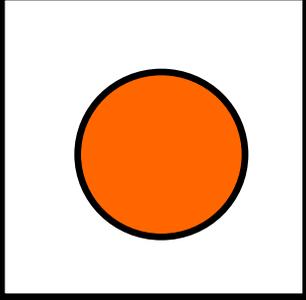
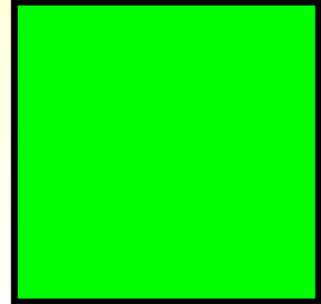
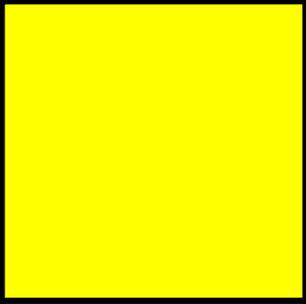
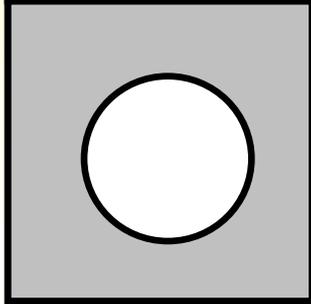
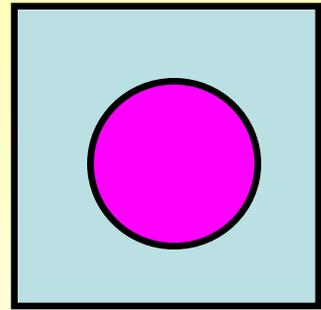
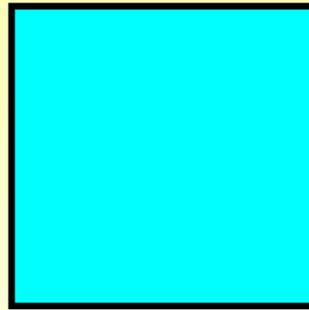
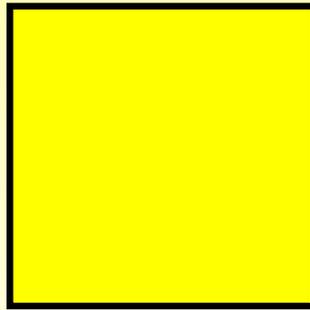
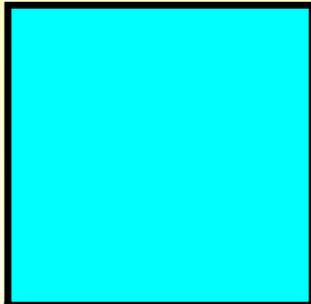
Развёртка

а

*1*

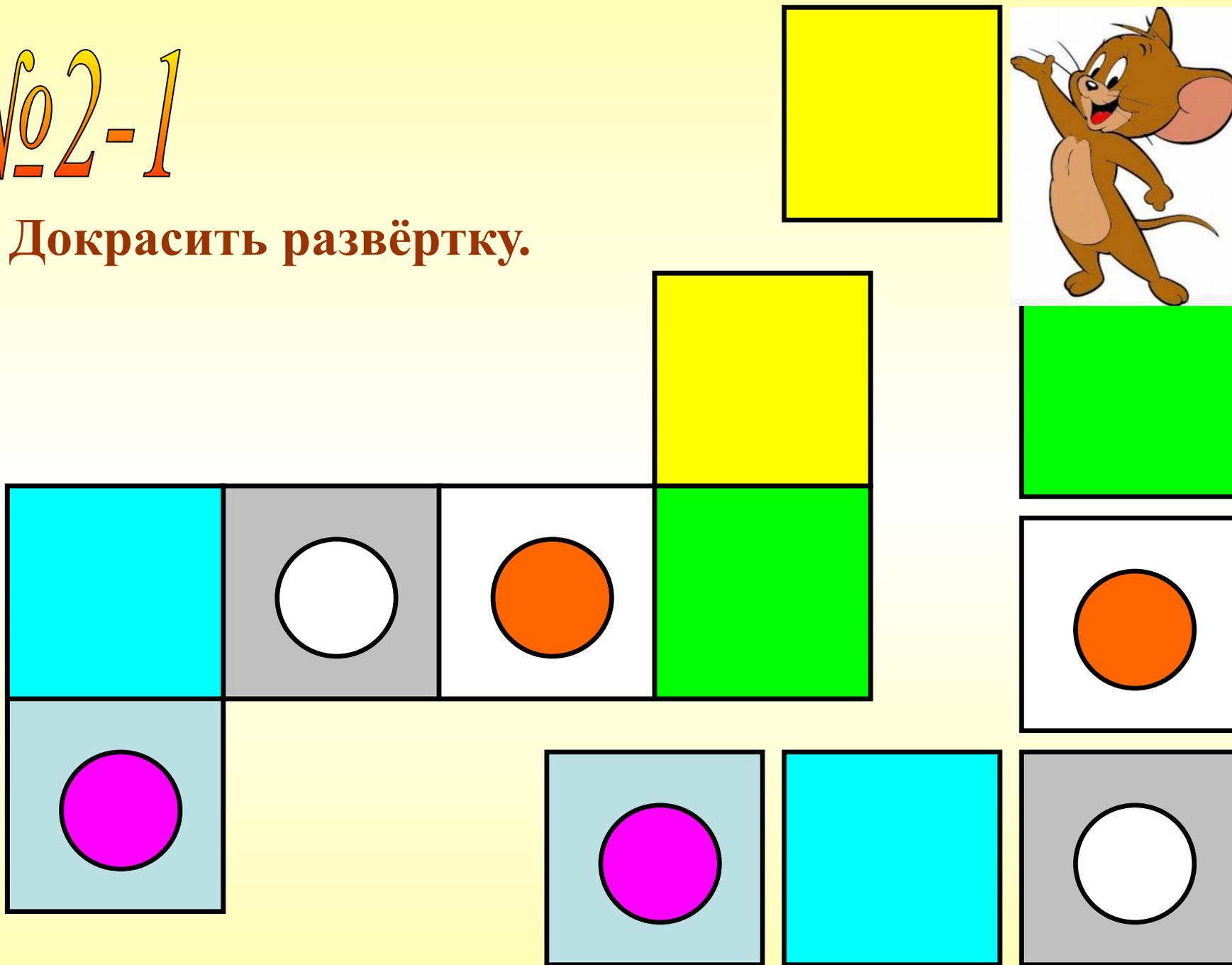


2



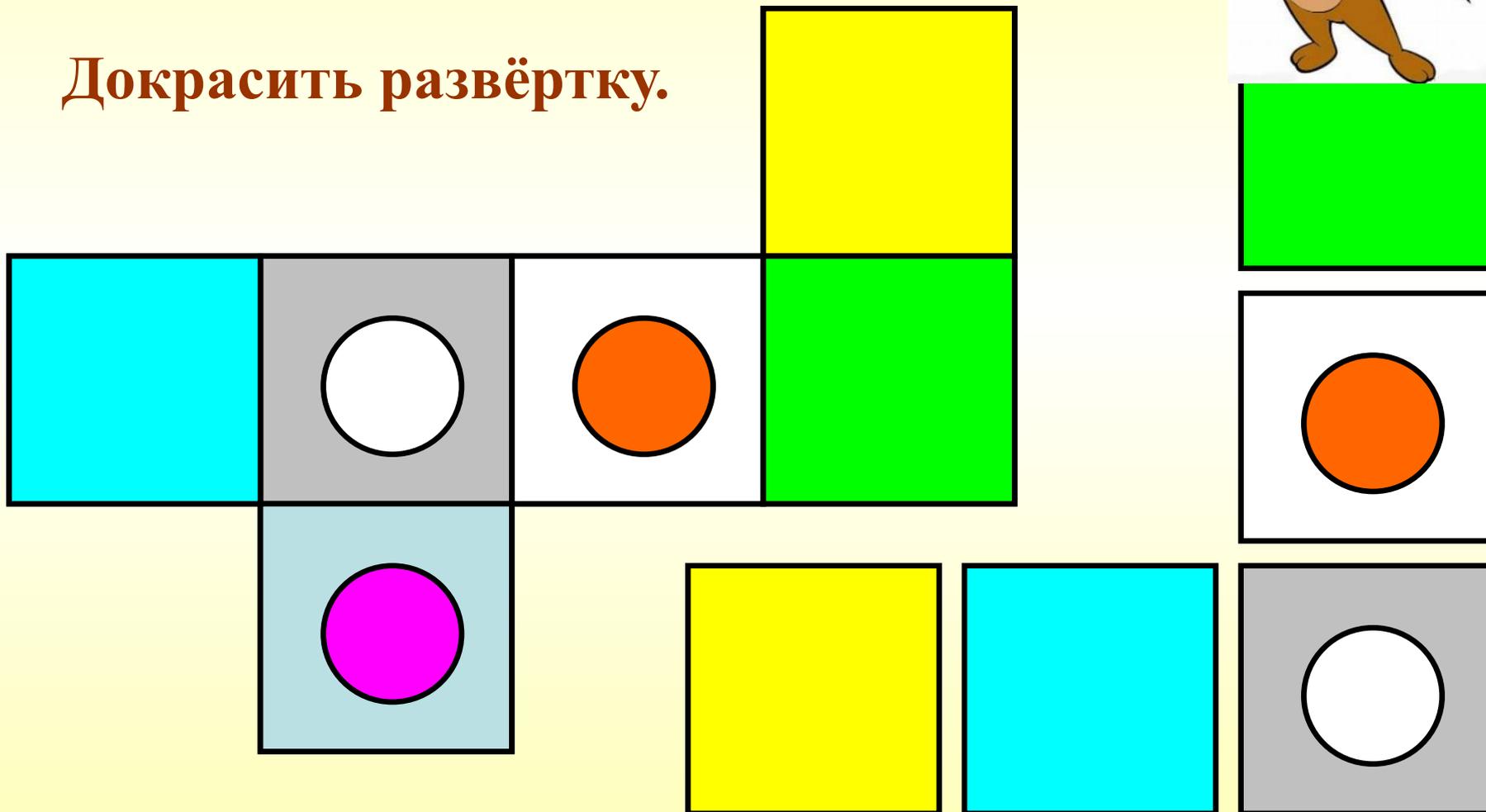
№2-1

Докрасить развёртку.

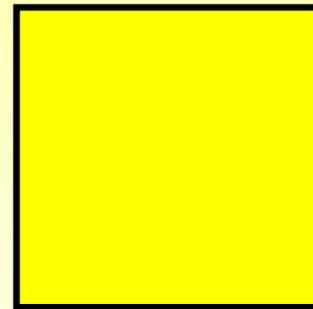


№2-2

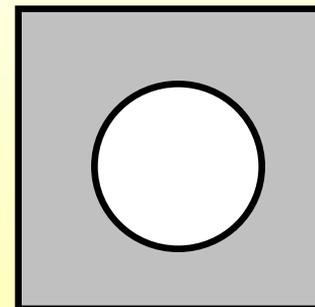
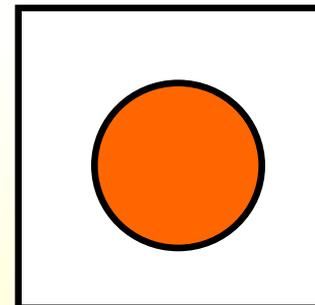
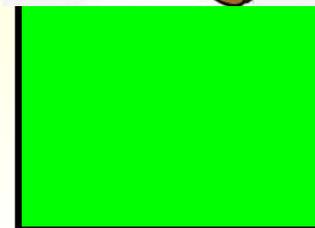
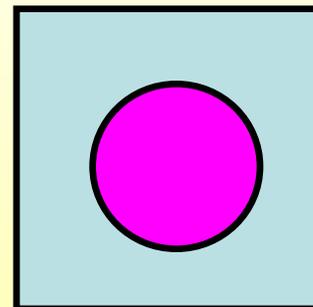
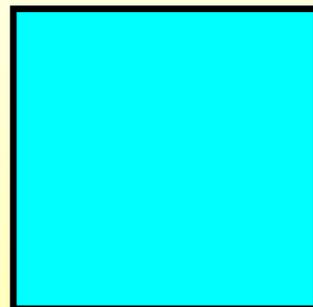
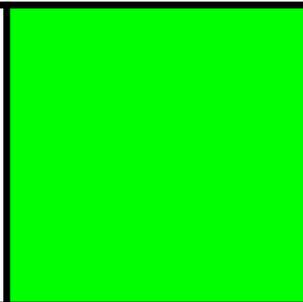
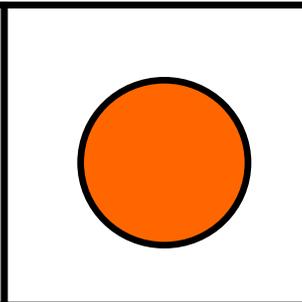
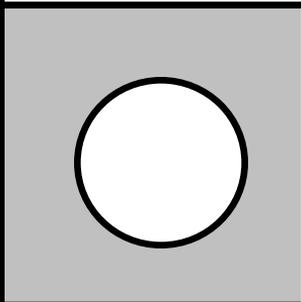
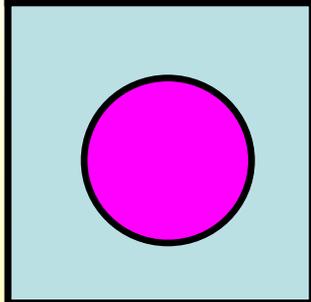
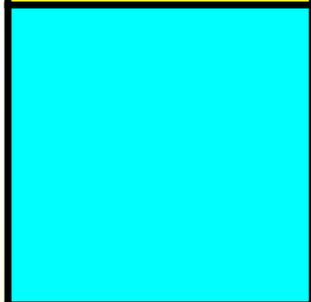
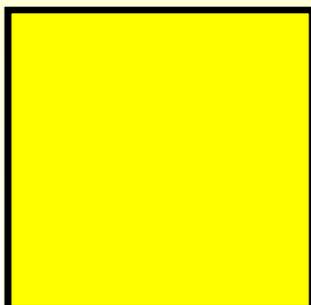
Докрасить развёртку.



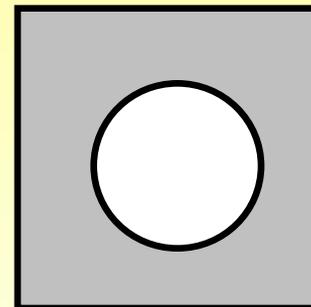
№2-3



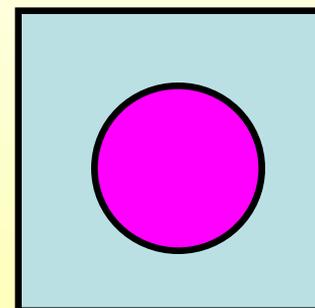
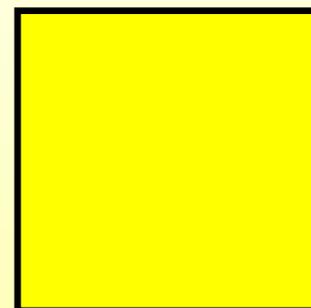
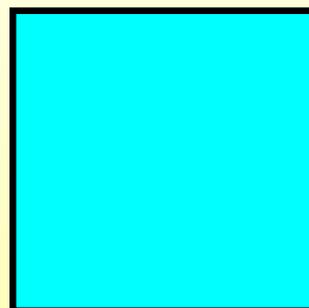
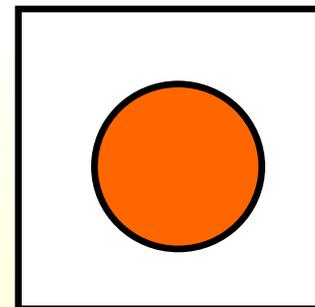
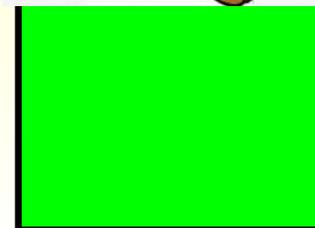
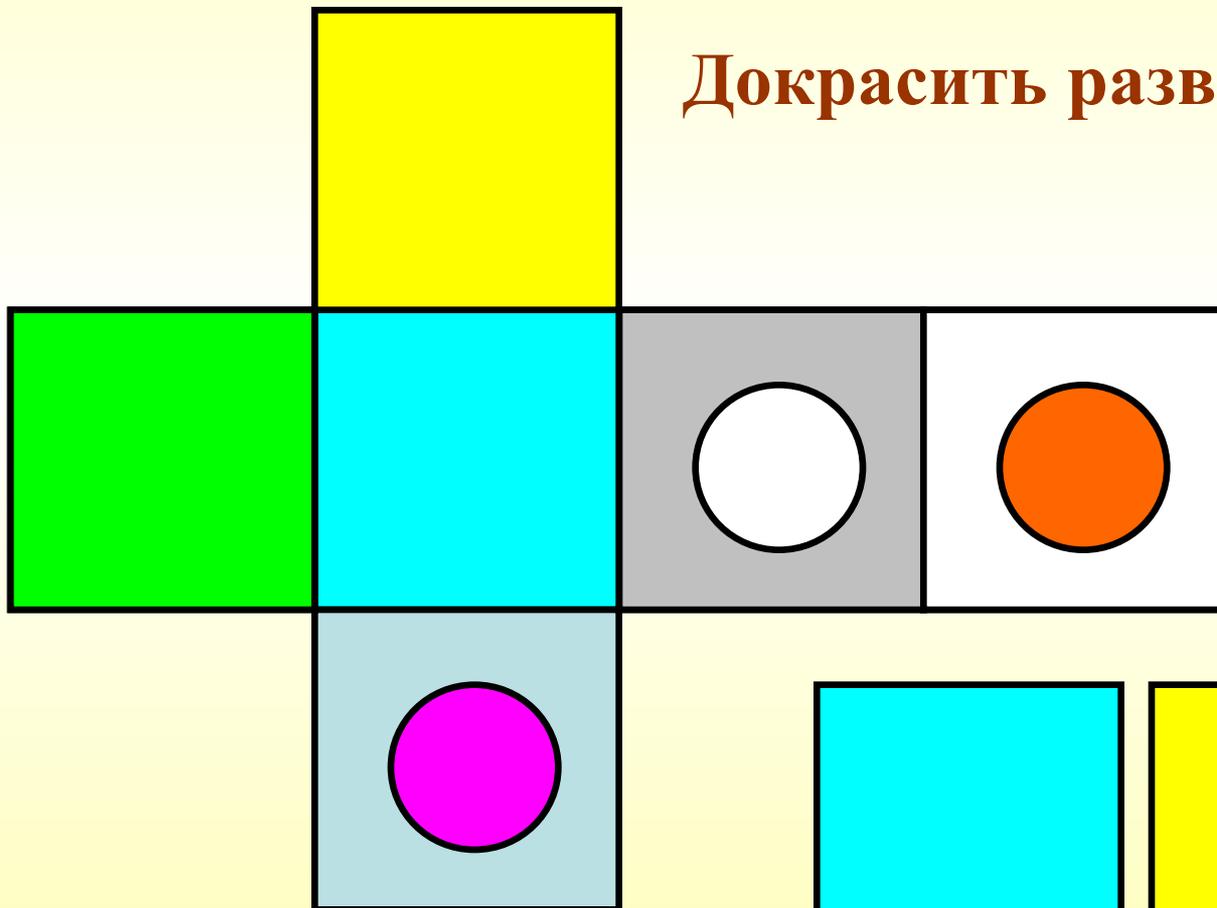
Докрасить развёртку.



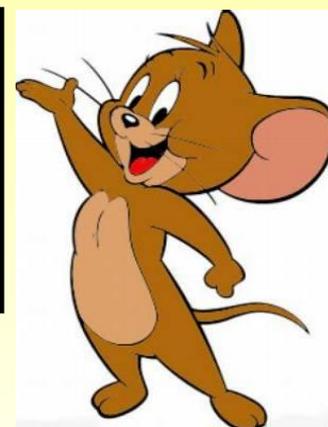
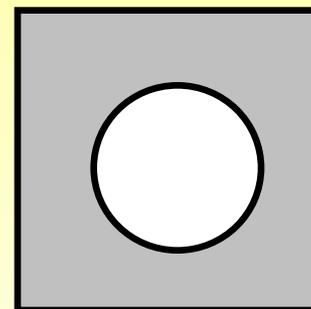
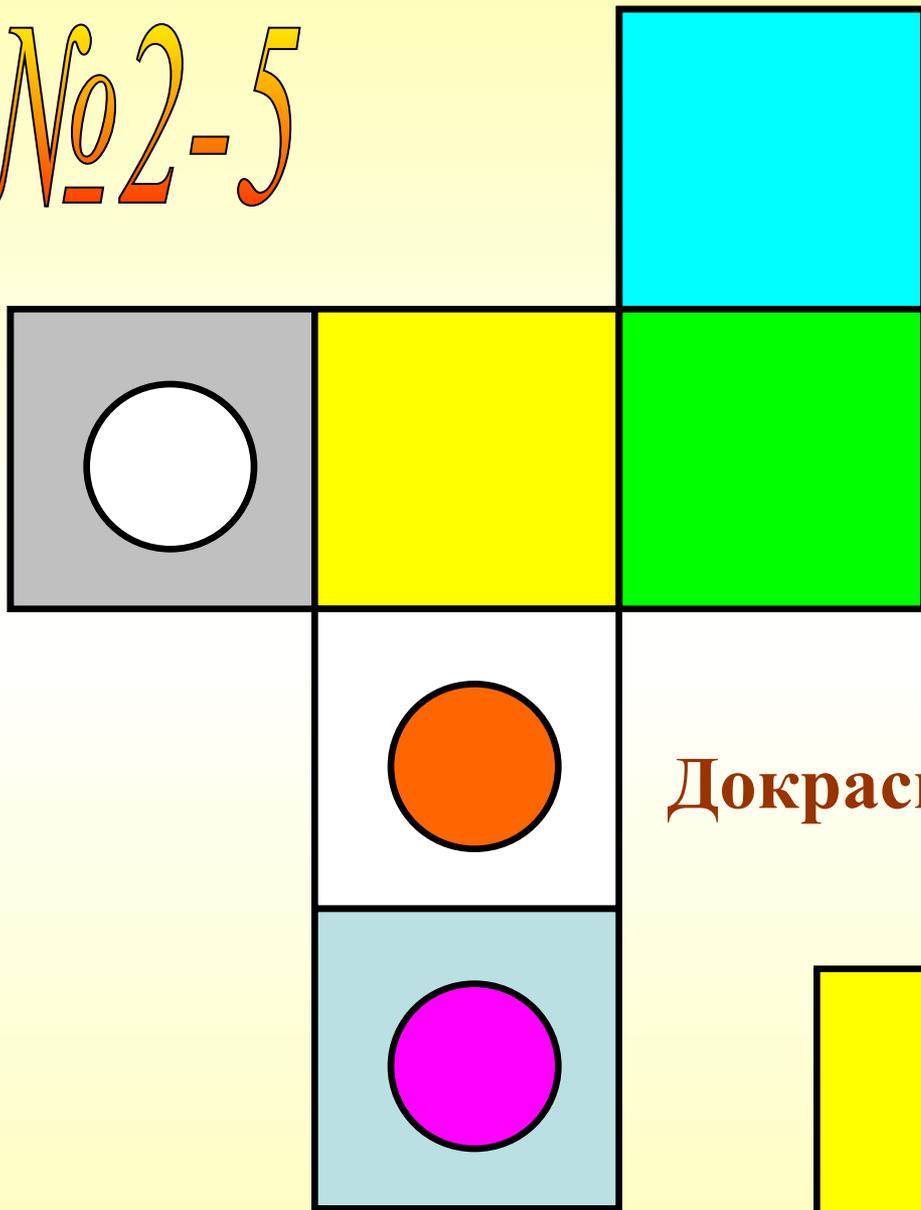
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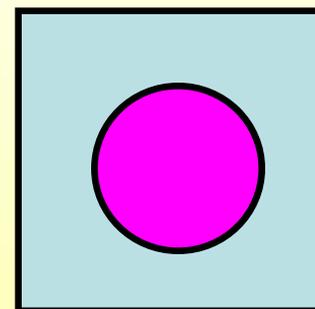
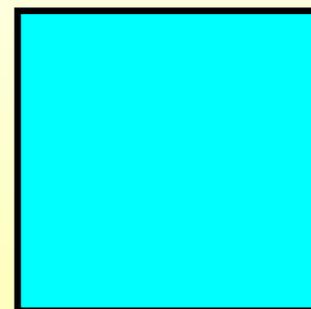
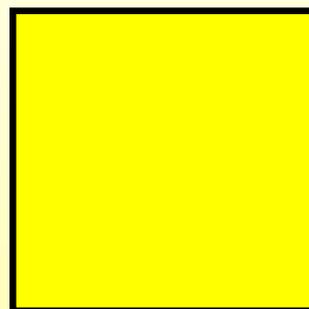
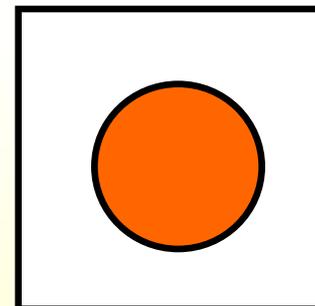
Докрасить развёртку.



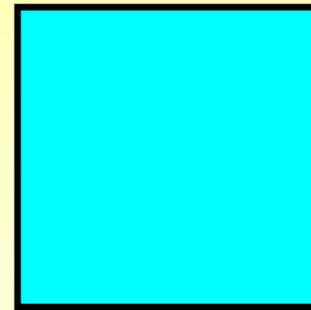
№2-5



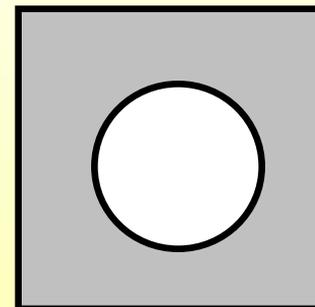
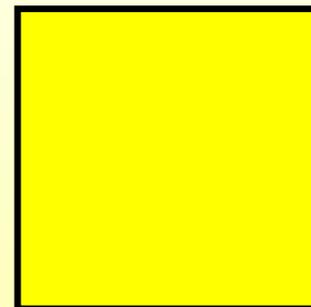
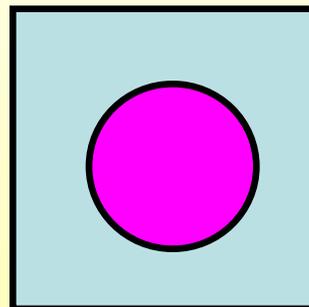
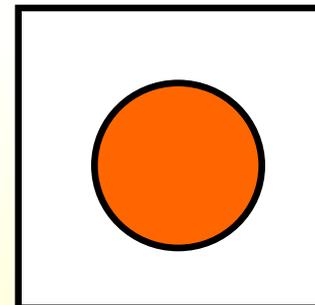
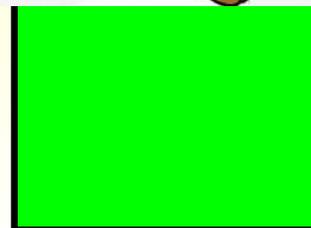
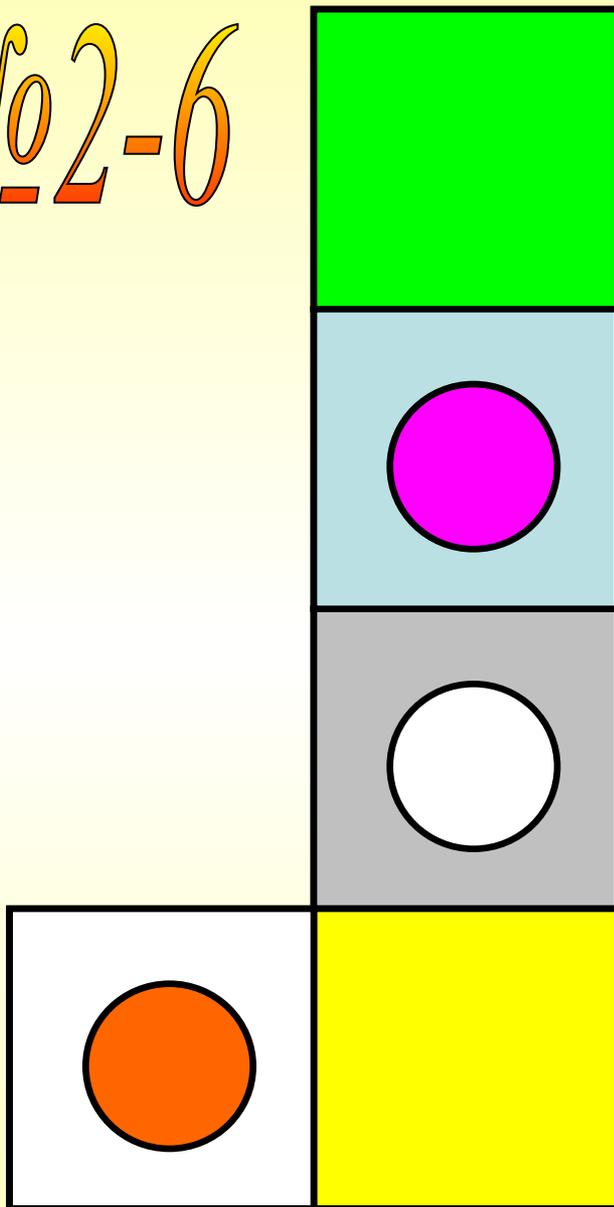
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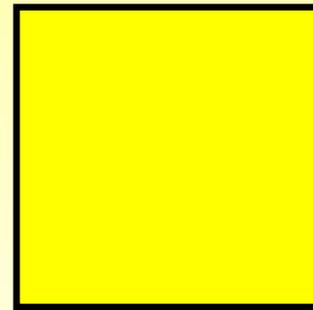
№2-6



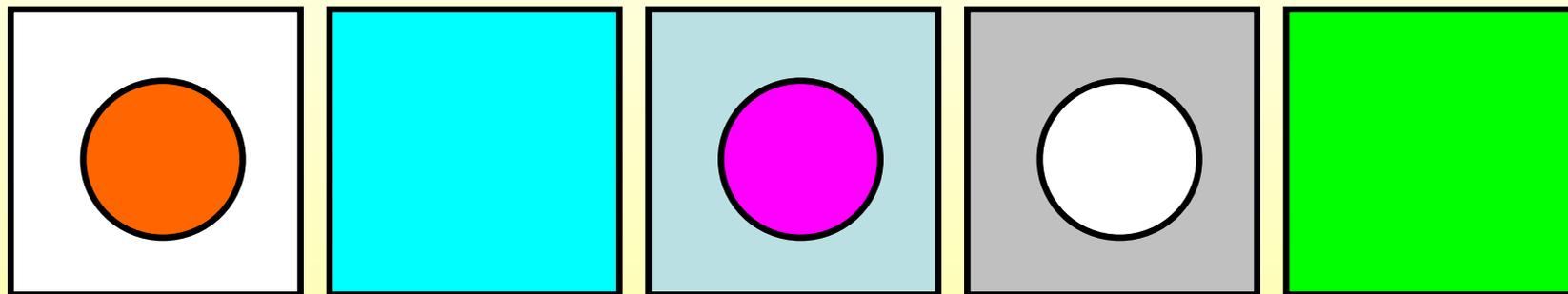
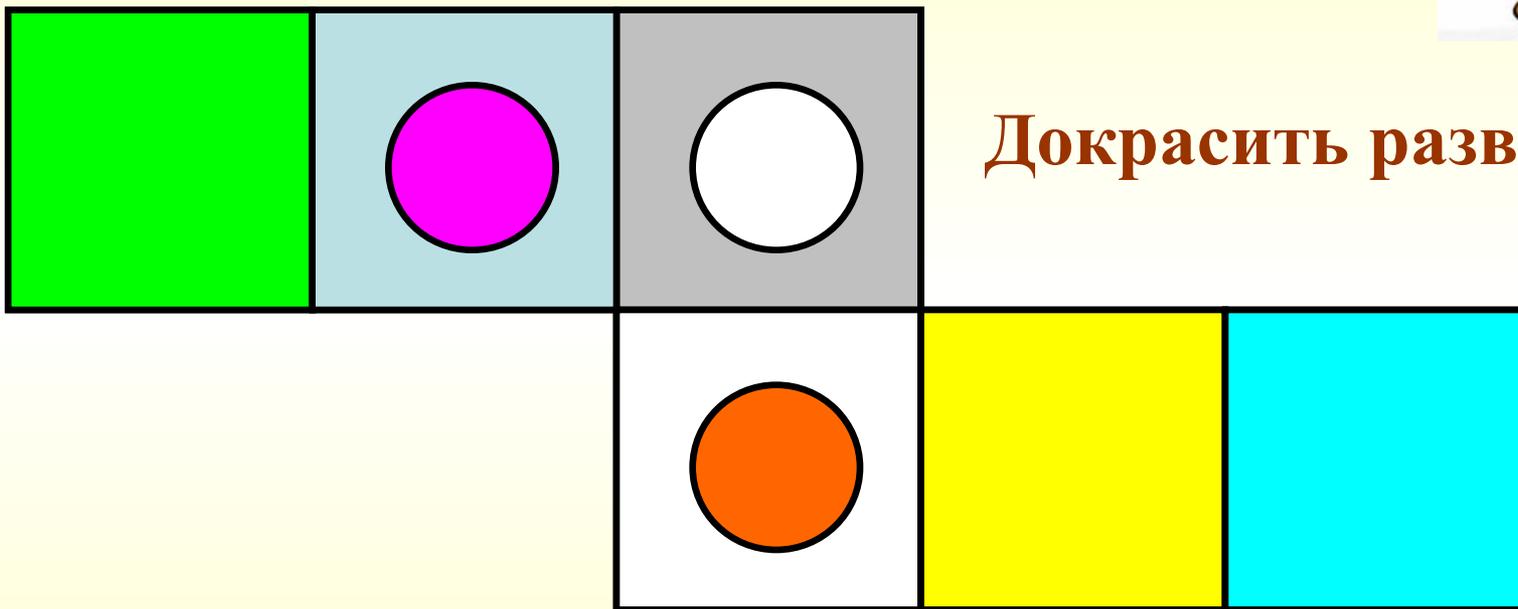
Докрасить развёртку.



№2-7

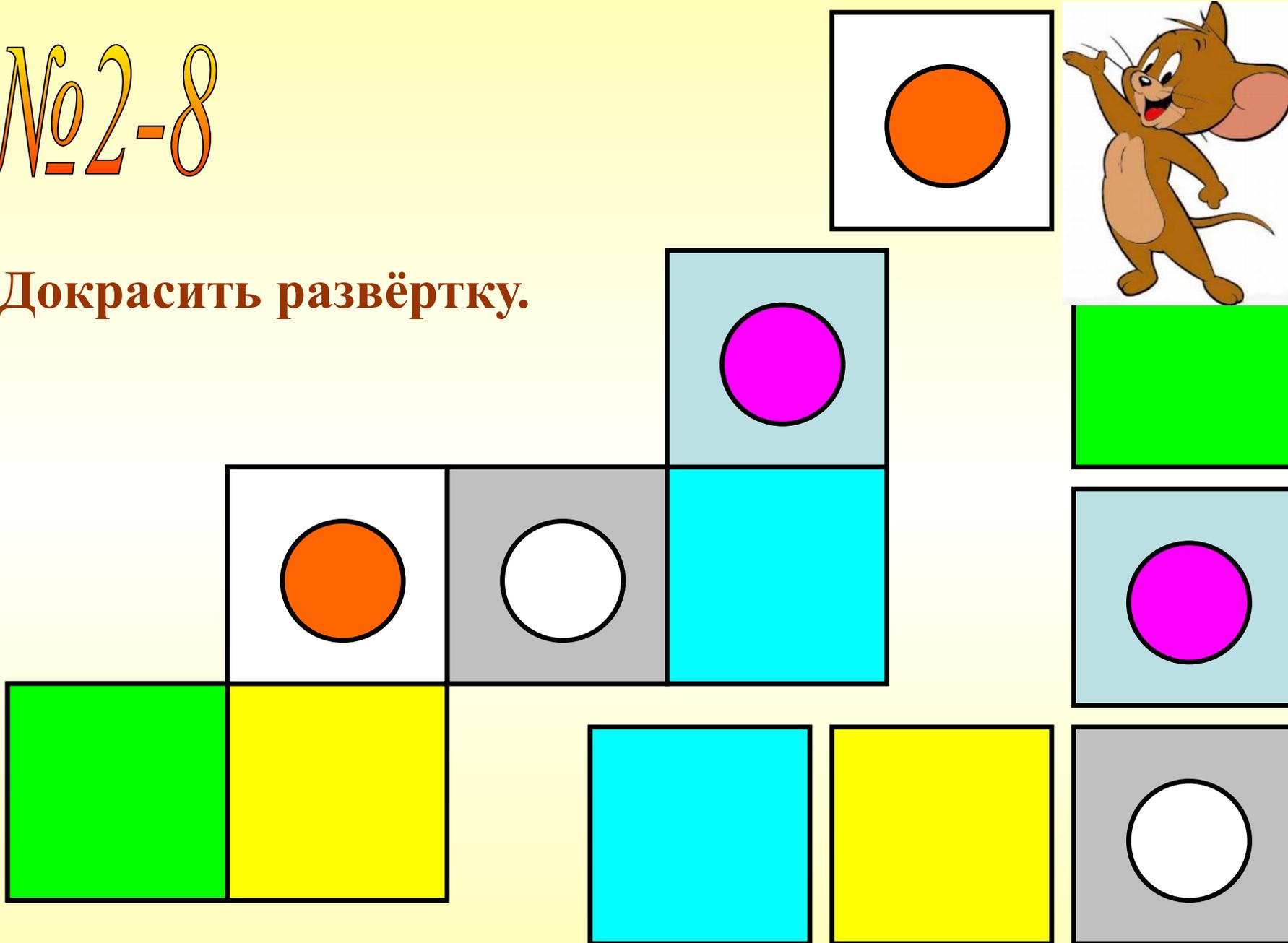


Докрасить развёртку.



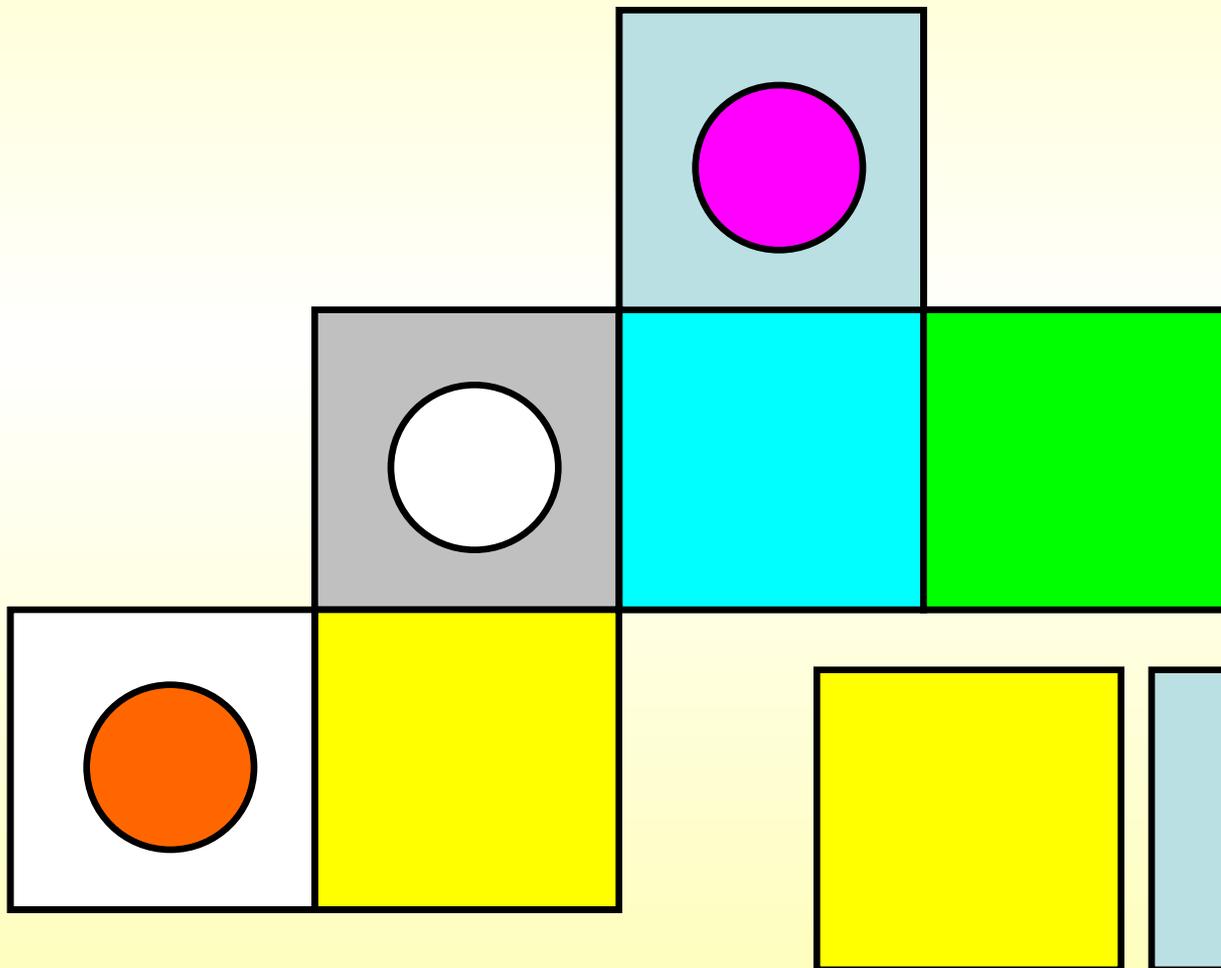
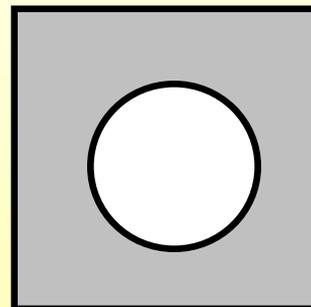
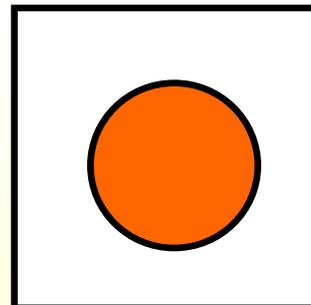
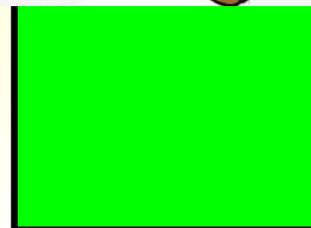
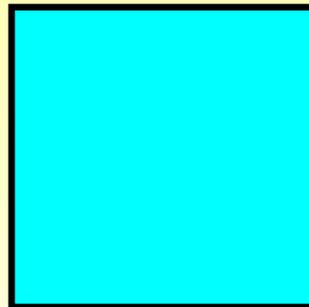
№2-8

Докрасить развёртку.



№2-9

Докрасить развёртку.

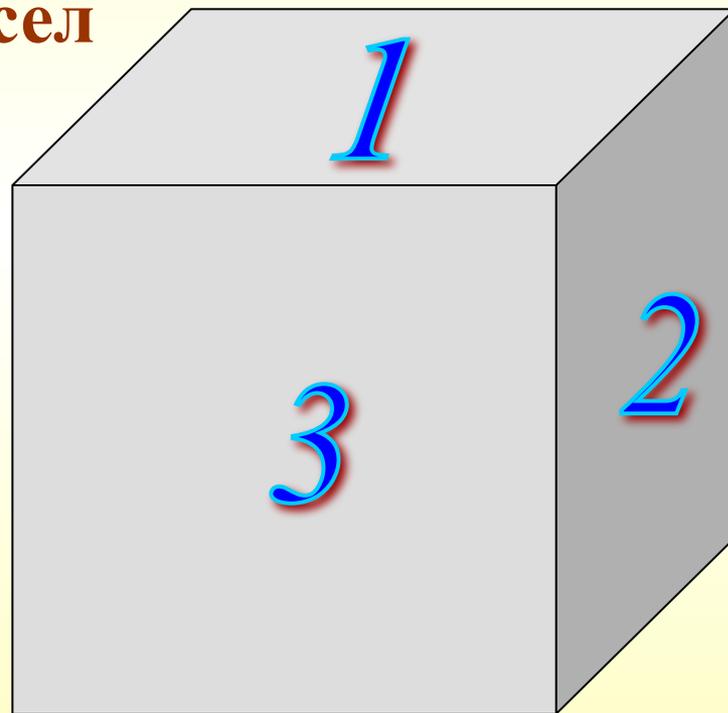


№3

## Решение задач

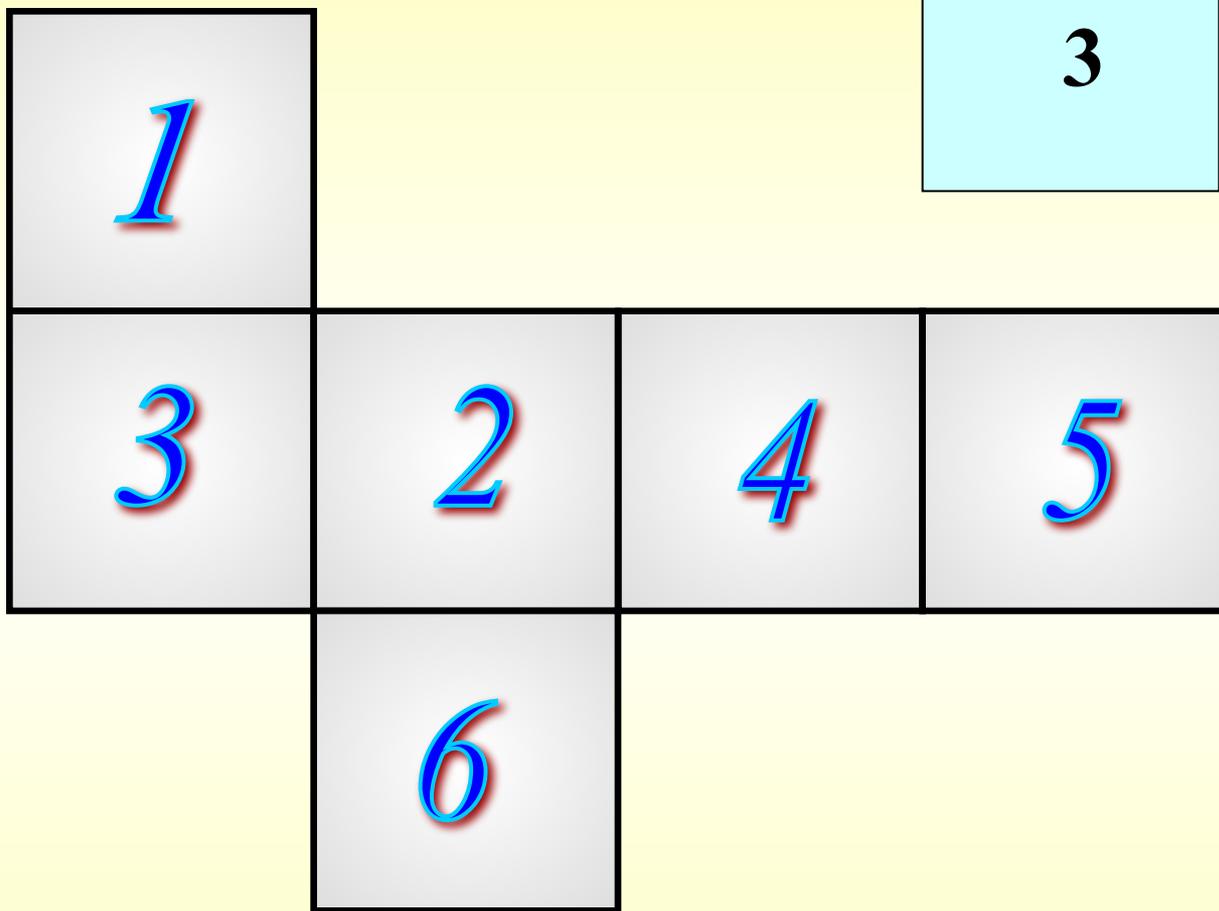
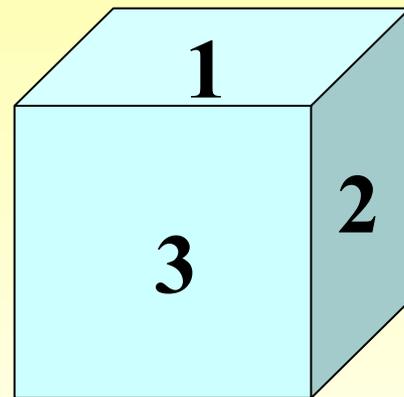


На гранях куба написали числа 1, 2, 3, 4, 5, 6 так, что сумма чисел на противоположных гранях равна семи. На каждой из развёрток куба указано одно из чисел. Укажите остальные числа.

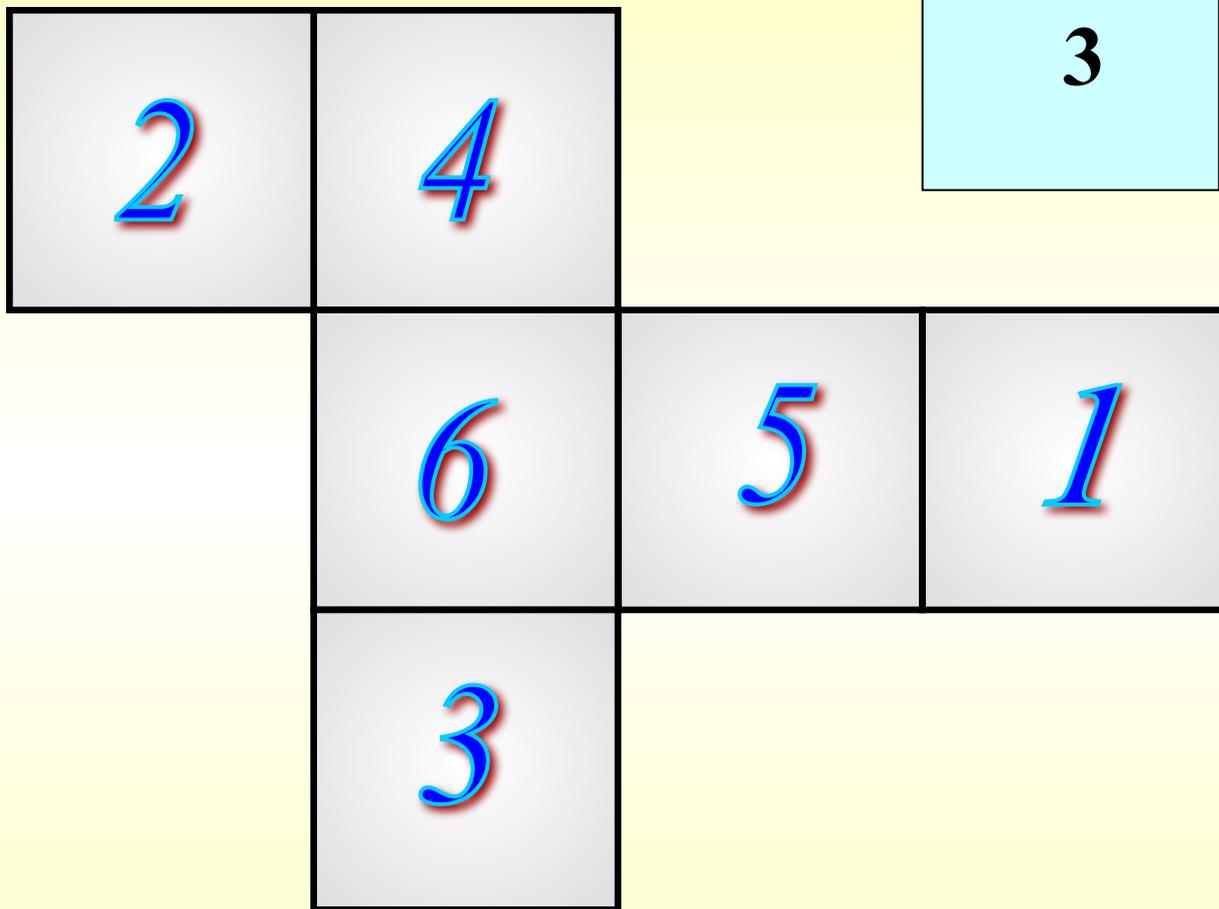
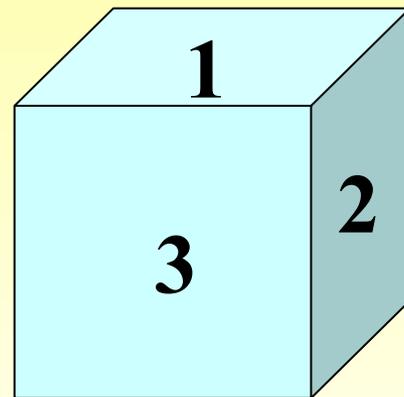


Решение

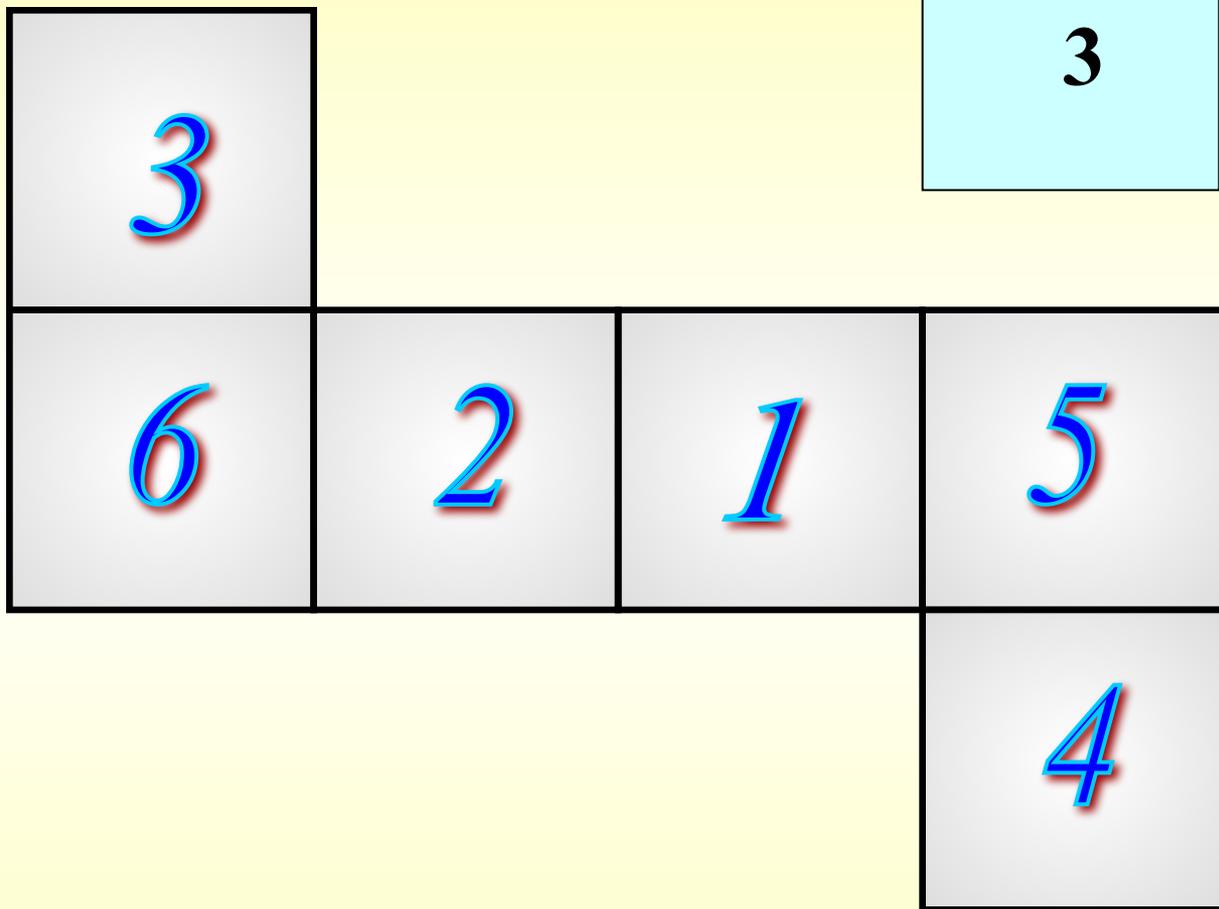
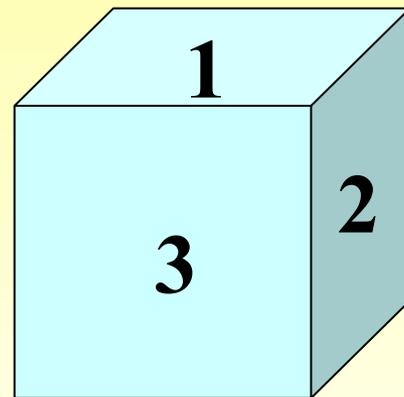
№3-1



№3-2



№3-3



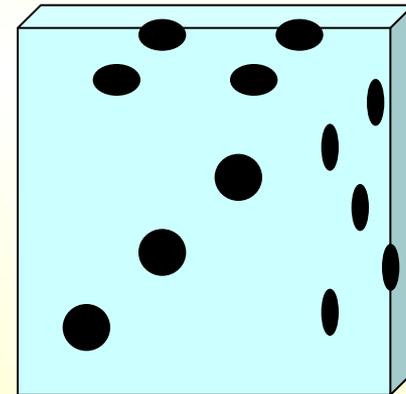
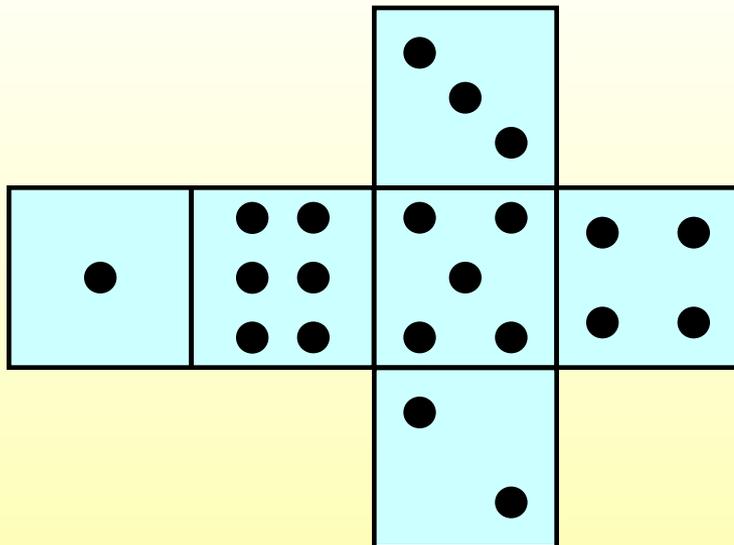
# №4

## Решение задач

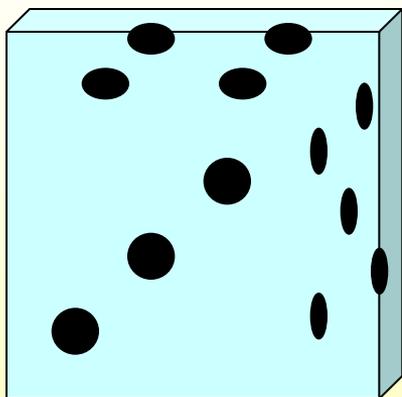
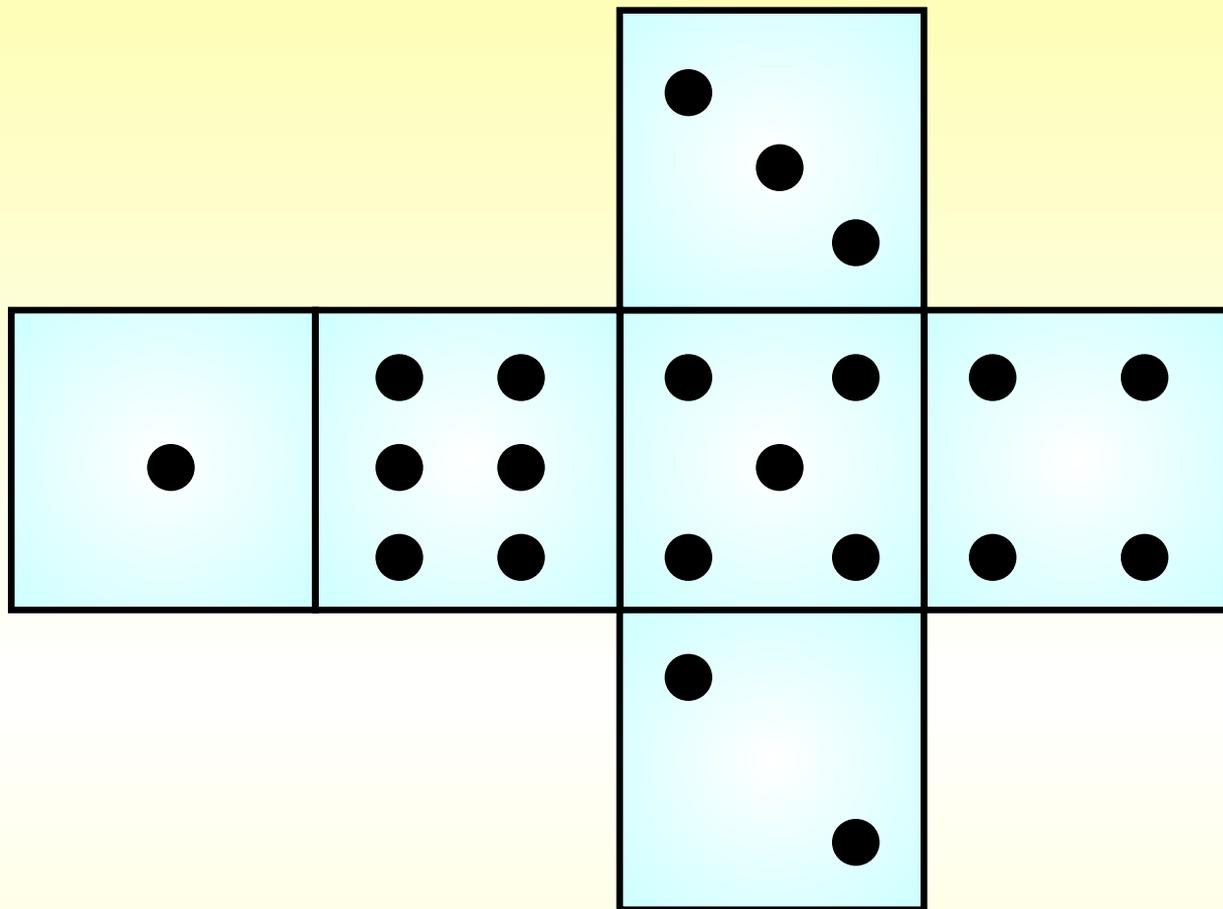


На рисунке изображены игральный кубик и его развёртка. Какое число изображено

- а) на нижней грани;
- б) боковой грани слева;
- в) боковой грани сзади?



Решение



а) на нижней грани

б) боковой грани слева

в) боковой грани сзади

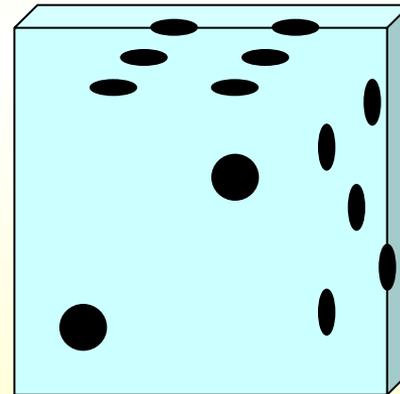
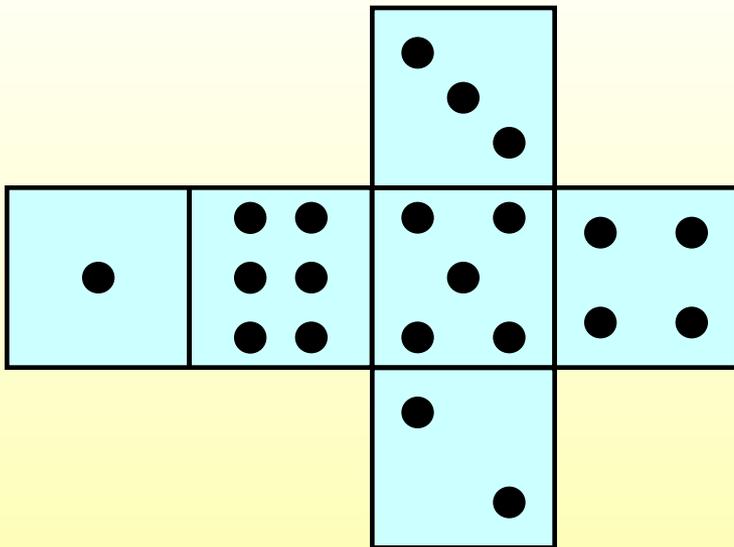
6  
1  
2

# №5

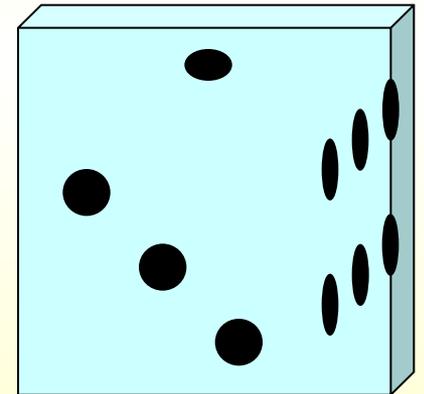
## Решение задач



На рисунке изображены два одинаковых игральных кубика в разных положениях. Какие числа изображены на нижних гранях кубиков.



4



5

Ответ (2)

## Методическое пособие

**Введение** в геометрию. 6 класс: планирование, конспекты занятий / авт.-сост. И.В.Фотина. – Волгоград: Учитель, 2010.

**Купюра. 3 рубля.**

<http://prv2.lori-images.net/dengi-sssr3-rublya1961-god-0000647418-preview.jpg>

**Купюра. 5 рублей.**

<http://img.lufi.ru/3120/3120420.JPG>

**Кассир.**

[http://activerain.com/image\\_store/uploads/8/0/0/4/3/ar124372615834008.jpg](http://activerain.com/image_store/uploads/8/0/0/4/3/ar124372615834008.jpg)

